

APPENDIX B
AERIAL ASSESSMENT AND RECONNAISSANCE RESULTS

Table B-1. Aerial and Reconnaissance Assessment Results by Reach.

Water body Name	DEQ Listing 1996	DEQ Listing 2000	DEQ Listing 2002	DEQ Listing 2006	DEQ Sources	Reach Name	Reach Length (ft)	Base Parameter Assessment	Channel Type	Visible Sources of Impairment	Woody Vegetation Density	Dominant Stream-Side Veg	Apparent Land Use (Aerial)	Bounding Geology	Comments
Day Gulch	Flow Alteration, Other Habitat Alterations, Siltation,	Did Not Meet SCD	Did Not Meet SCD	Not Assessed		Day1	3,274		B	Hillslope logging/mining	Moderate	Mixed conifer deciduous	Logging/mining	YGr	Headwaters: north of Dandy Mine
						Day2	4,028	Yes	B	Valley bottom clearing/logging/mining	Sparse	Mixed conifer		PDs	Extensive valley bottom disturbance/clearing/upstream mining
Keno Creek	Flow Alteration, Other Habitat Alterations, Siltation, Thermal Modifications	Did Not Meet SCD	Did Not Meet SCD	Not Assessed		Keno1	2,357		A	Upland Logging	Dense	Conifer	Logging	PDs	Steep Headwaters
						Keno2	6,653		B	Riparian Degradation/Logging	Moderate	Mixed conifer deciduous	Logging	PDs	To Rd Xing: Road Closely follows to south: logged/mod steep/ potential riparian logging
						Keno3	2,057	Yes	Eb	Riparian Degradation/Logging/Channelization		Mixed conifer deciduous		Kgd	Reach appears channelized on toe of left (south) valley wall
						Keno4	4,685	Yes	Eb	Riparian Degradation/Road Enc	Moderate/Dense	Mixed conifer deciduous	Logging	Kgd	Road closely follows to north/ relatively dense valley bottom veg with logged hillslopes
Elk Creek	Flow Alteration, Siltation	Metals (Cadmium), Siltation, Nutrients (Nitrate), Other Habitat Alterations	Metals (Cadmium), Nutrients (Nitrate), Siltation, Other Habitat Alterations	Cadmium Nitrate Nitrogen Physical Substrate Habitat Alterations Sedimentation/ Siltation	Placer Mining Forest Roads (Road Construction and Use) Streambank Modifications/ destabilization	Elk1	3,389		A		Dense	Mixed conifer	Upland Logging	Paleozoic Seds	Confined headwaters above Day Gulch
						Elk2	9,915	Yes	Eb	Riparian degradation	Sparse/Moderate	Woody	Riparian clearing	Kgd	Highly disrupted valley bottom/ road encroachment
						Elk3	8,972	Yes	Eb	Riparian degradation	Sparse/Moderate	Woody	Valley Bottom Mining	Kgd	Highly disrupted valley bottom/ potential high sed loads from McManus Gulch at top of reach
						Elk4	4,354		C	Placer Mining, Road Encroachment	Sparse/Moderate	Woody	Valley bottom mining	Kgd	Heavily placered valley bottom at Yreka. Dredge ponds/ spoils abundant.
						Elk5	12,618	Yes	B	Channelization/ Road Encroachment	Moderate	Woody		Kgd	Confined reach with multiple road crossings/ encroachment
						Elk6	8,642		E	Road Encroachment/ mining on E trib/sed production	Moderate/Dense	Woody	Trib mining	Ygr/Ym/ Paleo Seds	Confined willow bottom with close road encroachment/ valley bottom disturbance (sed delivery?) from mined small trib center Sec16
	Flow Alteration, Siltation	Siltation, Thermal Modifications, Other Habitat Alterations	Siltation, Thermal Modifications, Other Habitat Alterations	Alteration in stream-side or littoral vegetative covers Sedimentation/ Siltation Temperature	Grazing in Riparian or Shoreline Zones Streambank Modifications/ destabilization	Elk7	15,887	Yes	E	Dewatering/ Riparian degradataion	Sparse/Moderate	Mixed deciduous	Irrig Hay/Pasture	Qa	Open valley bottom with numerous ditch diversions/ channel trace hard to follow/ Some cottonwoods
						Elk8	4,496	Yes	E	Riparain degradation	Sparse	Herbaceous	Irrigated hay/pasture	Qa	Restored reach below road/ bar deposits on upstream end may reflect too low of slope/ or road work effects
						Elk9	7,241	Yes	E	Riparian degradation/ dewatering	Sparse	Herbaceous	Irrigated hay/pasture		Lower end of irrigated valley
						Elk10	6,224	Yes	E	Riparian degradation	Sparse/Moderate	Woody	Center pivots to north	Qa	Increasingly confined in d/s direction/ Ts hills to southwest/ rapids at confluence reflect flood deposits from Elk Cr.

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Belmont Creek	Other Habitat Alterations, Siltation	Siltation	Siltation	Sedimentation/ siltation	Forest Roads (Road Construction and Use) Grazing in Riparian or Shoreline Zones	Bel1	10,606		A	Intensive logging	Sparse/Moderate	Mixed conifer deciduous	Logging	Yh	Intensively logged headwaters/ skidlines extend to valley bottom/ valley bottom harvested.
						Bel2	23,540	Yes	B	Logging	Moderate	Mixed conifer deciduous	Logging	Ym	Long canyon section/ logging road encroachment/ some beaver ponding/ skidlines extensive
						Bel3	16,348		B	Logging	Moderate	Mixed conifer deciduous	Logging	Ysn	Mixed willow/conifer narrow valley bottom. Numerous logging rd xings
						Bel4	7,962	Yes	C	Riparian degradation	Sparse/Moderate	Mixed deciduous	Irrigated hay	Ysn/ Ts	Two relatively wide valleys separated by narrow constriction/ lower end approaching Blackfoot increasingly vegetated
Washoe Creek	Flow Alteration, Other Habitat Alterations, Siltation,	Did Not Meet SCD	Did Not Meet SCD	Chlorophyll-a NO2+NO3-N TP TKN Sedimentation/ Siltation	Silviculture Harvesting Source Unknown Open Pit Mining	Washoe1	4,579		B	Road Encroachment/ Mining	Moderate/Dense	Mixed conifer deciduous	Logging/ Mining	Ygr	Above main mining activity/ mostly headwater logging
						Washoe2	22,957		B	Road Encroachment/ Logging/ Mining	Moderate/Dense	Mixed deciduous	Logging/ Mining	Ym	Long straight valley (structural?)
						Washoe3	6,949		E	Upland Logging	Moderate	Woody		Ts	Valley widens onto Ts geology. Riparian degraded
						Washoe4	1,633	Yes	C	Dewatering/ Riparian degradation	Sparse	Woody	Adjacent hayfields	Qa	At fenceline/ riparian density plummets/ diversions mapped just upstream of reach break.
E. Ashby Creek	Siltation	Did Not Meet SCD	Did Not Meet SCD	Alteration in stream-side or littoral vegetative covers TP NO2+NO3-N Sedimentation/ siltation	Forest Roads (Road Construction and Use) Grazing in Riparian or Shoreline Zones Silviculture Activities Source Unknown	EAshb1	3,778		A				Logging	Paleozoic Seds	Channel closely confined by road to northeast/ may be channelized
						EAshb2	8,331		C	Road Encroachment/ Logging	Sparse/Moderate	Mixed conifer deciduous	Upland Logging	Paleozoic Seds	Series of open parks separated by short mod confined reaches
						EAshb3	10,814	Yes	Eb	Road Encroachment/ Mining	Moderate/Dense	Mixed conifer	Logging/ Mining	Paleozoic Seds/ Ygr	Left valley wall on Tgd/Ygr contact about 1/2 way down reach. Mouth open/ possibly C/E. Road closely follows channel
W. Ashby Creek	Other Habitat Alterations, Siltation	Did Not Meet SCD	Did Not Meet SCD	Alteration in stream-side or littoral vegetative covers TP Sedimentation/ siltation	Forest Roads (Road Construction and Use) Silviculture Activities Source Unknown	WAshb1	5,946		A	Upland logging	Moderate	Mixed conifer	Logging	Tgd	Pervasive logging
						WAshb2	3,540		B	Upland Logging/ Road encroachment	Moderate	Mixed conifer	Logging	YPi	Reach break as channel leaves Tgd
						WAshb3	7,903	Yes	Eb	Upland Logging/ Road encroachment	Moderate/Dense	Mixed conifer deciduous	Logging	Ygr	Road follows valley bottom margin
Camas Creek	Flow Alteration, Siltation, Thermal Modifications	Did Not Meet SCD	Did Not Meet SCD	Flow Alteration TP Sedimentation/ Siltation	Grazing in Riparian or Shoreline Zones Irrigated Crop Production Upstream Source	Cam1	5,074		A	Upland Logging	Moderate	Mixed conifer deciduous	Upland Logging		Headwaters to road xing/ major power line crossing/ road encroachment evident
						Cam2	10,577	Yes	E	Riparian Degradation/ Hillslope Logging	Sparse/Moderate	Woody		Qa	Upper end alluvial valley
						Cam3	4,167		C	Riparian degradation	Sparse	Woody	Irrig (?) hay?	Qa	Highly impacted riparian through fields

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						Cam4	9,224	Yes	E	Riparian degradation	Sparse	Mixed deciduous	Irrigated hay/pastur	Qa	Highly impacted valley bottom reach. Very narrow riparian thread. Dewatering/ riparian degradation evident
						Cam5	4,971		E	Riparian degradation/ dewatering	Sparse	Woody	Irrigated hay/pastur	Qa	Highly impacted irrigated valley bottom
						Cam6	10,357	Yes	E	Riparian deg/ dewatering	Sparse		Irrigated hay/pastur	Qa	Channel trace difficult to identify through dewatered reach. Reach ends at FWP temp site near Potomac
						Cam7	4,023		E	Dewatering/ Riparian degradation	Sparse	Woody	Irrigated hay/pastur	Qa	Highly impacted valley bottom section through flood irrigated area/ center pivit irrigation.
Union Creek	Flow Alteration, Other Habitat Alterations, Siltation, Thermal Modifications	Metals (Arsenic, Copper), Other Habitat Alterations, Suspended Solids, Nutrients (Phosphorus), Thermal Modifications	Metals (Arsenic, Copper), Nutrients (Phosphorus), Thermal Modifications, Other Habitat Alterations, Suspended Solids,	Arsenic Copper TP Physical substrate habitat alterations Solids (Suspended/ Bedload) Temperature, water	Impacts from Abandoned Mine Lands (Inactive) Animal Feeding Operations (NPS) Source Unknown Rangeland Grazing Streambank Modifications/ destabilization Flow Alterations from Water Diversions	Union1	27,069	Yes	E	Hillslope logging/ road encroachment/ mining	Moderate/Dense	Mixed conifer deciduous	Mining/ logging	Ym	Confined headwaters area/ logged with several mines (Copper Cliff) on valley walls/ many rd xings
						Union2	7,513		E	Riparian degradation/ dewatering	Sparse/Moderate	Woody	Irrig crops/pasture	Qa	Qa valley bottom heavily irrigated/ narrow willow fringe on channel closely bounded by fields.
						Union3	7,461		E	Riparian degradation/ dewatering	Moderate	Mixed conifer deciduous	Irrig pasture/hay	Qa	Short section of higher canopy MD
						Union4	2,576	Yes	Eb	Riparian degradation/ dewatering	Sparse	Woody	Irrig pasture/hay	Qa	Highly impacted stretch above Washoe conf
						Union5	7,776	Yes	E	Riparian degradation/ dewatering	Sparse/Moderate	Woody	Irrig hay/pasture	Qa Ts Ybo	Constriction at d/s end is Prot sed's knobs surrounded by Ts. Local subdivision/horse pasture
						Union6	14,080		E	Riparian degradation dewatering	Sparse/Moderate			Qa Ybo	Upper end open hayfields/ more confined and vegetated ds Potomac Spur Rd
						Union7	4,200		C	Riparian degradation/ channelization/ dewatering	Sparse	Woody	Irrig hay/pasture	Qa	Highly impacted dewatered channelized section below Hwy 200
						Union8	6,487	Yes	E	Riparian degradation dewatering	Sparse/Moderate	Woody	Irrig hay/pasture	Qa	Crosses hwy 200/ narrow riparian fringe on moderately sinuous channel
						Union9	4,605		F	Riparian degradation/ channelization/ dewatering	Sparse	N/A	Irrig hay	Qa	Severely degraded section below Potomac: ditched/ dewatered
						Union10	25,840		E	Riparian degradation/ dewatering	Sparse	Woody	Irrig. hay	Qa	Sinuous thread through ag impacted valley bottom. Numerous ditches/ obvious return flow from flood irrigated fields.
						Union11	15,821	Yes	E	Riparian degradation/ incision	Sparse	N/A	Irrig Hay	Qa	Incised reach with no riparian vegetation/ banks appear steep/ unstable.
						Union12	4,401	Yes	B	Road encroachment	Moderate	Mixed conifer deciduous	Transportation Corridor	Ym	Confined reach to Blackfoot River. Closely follows Hwy 200.

